Tactical Information Broadcast Service (TIBS)

Secret Data Segment

Software Version Description

TIBS Segment Version 2.1.4 for GCCS Version 2.2

8 January 1997

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TIBS Secret Data Segment SVD

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1.0 Scope

This section describes the scope of this Software Version Description (SVD). This document follows the standards set forth in *Military Standard Software Development and Documentation* (MIL-STD-498) and in the Data Item Description (DID) for a Software Version Description (DI-IPSC-81442).

1.1 Identification

This SVD applies to the Tactical Information Broadcast Service (TIBS) Secret Data, Version 2.1.4 for Global Command and Control System (GCCS) Version 2.2. The TIBS Secret Data Segment is required for processing Secret data within the TIBS Segment Version 2.1.4 for GCCS Version 2.2, which was developed from the TIBS Core Component for the Joint Maritime Command Information System (JMCIS). The TIBS Secret Data Segment can be installed on a Tactical Advanced Computer (TAC) running HP-UX™ Version 9.0.7 and/or SPARC® computer running Solaris™ Version 2.3. The computer(s) must be running GCCS Version 2.2 with TIBS Segment Version 2.1.4 installed.

1.2 System Overview

The Global Command and Control (GCCS) Tactical Information Broadcast Service (TIBS) Segment provides the ability for GCCS to participate in the TIBS Network in either a receive-only or two-way capacity. The TIBS Segment consists of the following components: an interface, encoders/decoders, and the supporting user interface. The interface communicates with the TIBS Interface Unit/Commanders' Tactical Terminal (TIU/CTT). It decodes incoming data from messages in Tactical Data Intercomputer Message Format (TDIMF) and encodes outgoing data into TDIMF messages. The TIBS Segment resides on top of existing software on one or more nodes of a GCCS local area network (LAN). Interface to TIBS capabilities is achieved through several options on the GCCS menu. During TIBS operation, complete GCCS functionality is preserved.

The TIBS Secret Data Segment augments the TIBS Segment by providing classified TDIMF mapping files needed to interpret data flowing to or from the TIU/CTT at runtime.

1.3 Document Overview

This document follows the MIL-STD-498 DID for an SVD.

2.0 Referenced Documents

The following documents are referenced in this SVD. In the event of a later version of a referenced document being issued, the later version shall supersede the referenced version.

■ *Military Standard Software Development and Documentation* (MIL-STD-498), 5 December 1994.

■ *Tactical Information Broadcast Service (TIBS) Segment User's Guide, Version 2.1.4 for GCCS Version 2.2*, 8 January 1997.

■ *Functional Description Document: Tactical Information Broadcast Service (TIBS) JMCIS Core Component, Version 1.0*, 15 May 1996.

■ *System Requirements Specification (SRS): Tactical Information Broadcast Service (TIBS) JMCIS Core Component, Version 1.0*, 16 May 1996.

■ *Software Product Specification (SPS): Tactical Information Broadcast Service (TIBS) JMCIS Core Component, Version 1.0*, 22 May 1996.

■ *Tactical Data Intercomputer Message Formats, Revision B* (G4097.00.37), 24 August 1994.

■ *Unified Build 3.0.1.6G System Administrator's Guide*, 27 September 1996.

3.0 Version Description

The following subsections describe TIBS Secret Data Segment Version 2.1.4.

3.1 Inventory of Materials Released

The following physical media and associated documentation comprise TIBS Secret Data Segment Version 2.1.4:

■ One digital audio tape (DAT) labelled "TIBSSD 2.1.4 Secret Data Segment for GCCS 2.2," 4mm Cartridge, TAC/SPARC HP-UX 9.0.7, Solaris 2.3, January 08, 1997.

■ *Tactical Information Broadcast Service (TIBS) Secret Data Segment Software Version Description, TIBS Secret Data Segment Version 2.1.4 for GCCS Version 2.2*, 8 January 1997.

3.2 Inventory of Software Contents

This section has been tailored out.

3.3 Software Changes

The following changes were installed into TIBS Secret Data Segment Version 2.1.4:

■ A Filters file is no longer required in the TIBS Secret Data directory. Instead, the filter information will be retained in the channels file and associated channels structure.

■ Corrections were made to various TIBS Secret Data files.

3.4 Adaptation Data

This section has been tailored out.

3.5 Related Documents

■ *Tactical Information Broadcast Service (TIBS) Segment User's Guide, Version 2.1.4 for GCCS Version 2.2*, 8 January 1997.

■ *Functional Description Document: Tactical Information Broadcast Service (TIBS) JMCIS Core Component, Version 1.0*, 15 May 1996.

■ *System Requirements Specification (SRS): Tactical Information Broadcast Service (TIBS) JMCIS Core Component, Version 1.0*, 16 May 1996.

■ *Software Product Specification (SPS): Tactical Information Broadcast Service (TIBS) JMCIS Core Component, Version 1.0*, 22 May 1996.

■ *Tactical Data Intercomputer Message Formats, Revision B* (G4097.00.37), 24 August 1994.

3.6 Installation Instructions

The TIBS Secret Data Segment is installed on a GCCS workstation designated for TIBS encoding and decoding. The TIBS Secret Data Segment is a standard GCCS segment. For instructions on installing a GCCS segment, see the *Unified Build 3.0.1.6G System Administrator's Guide* for GCCS Version 2.2.

3.7 Possible Problems and Known Errors

None.

4.0 Notes

The following acronyms and abbreviations appear in this document:

CTT	Commanders' Tactical Terminal
DID	Data Item Description
GCCS	Global Command and Control System
JMCIS	Joint Maritime Command Information System
LAN	Local Area Network
RTN	Received Track Number
SVD	Software Version Description
TBM	Theater Ballistic Missile
TDIMF	Tactical Data Intercomputer Message Format
TIBS	Tactical Information Broadcast Service
TIU	TIBS Interface Unit
UB	Unified Build